```
# Priority Queue using List

pq = []

while True:
    print("\n1. Insert")
    print("2. Delete")
    print("3. Display")
    print("4. Exit")

    ch = int(input("Enter choice: "))

    if ch == 1:
        e = input("Enter element: ")
        p = int(input("Enter priority: "))
        pq.append((p, e))
        pq.sort()
        print("Element inserted")

    elif ch == 2:
        if pq:
            print("Deleted:", pq.pop(0))
        else:
            print("Queue empty")

    elif ch == 3:
        if pq:
            for i in pq:
                print("Element:", i[1], " Priority:", i[0])
        else:
            print("Queue empty")

    elif ch == 4:
        break

    else:
        print("Invalid choice")
```

Output:

```
1. Insert
2. Delete
3. Display
4. Exit
Enter choice: 1
Enter element: A
Enter priority: 2
Element inserted
```

1. Insert
2. Delete
3. Display
4. Exit
Enter choice: 1
Enter element: B
Enter priority: 1
Element inserted

1. Insert
2. Delete
3. Display
4. Exit
Enter choice: 3
Element: B Priority: 1
Element: A Priority: 2

1. Insert
2. Delete
3. Display
4. Exit
Enter choice: 2
Deleted: (1, 'B')

1. Insert
2. Delete
3. Display
4. Exit
Enter choice: 4